Gateway 500S BT

(GW52MO1 & GW52MO2)
iPod, USB, Bluetooth (HFP, A2DP) & AUX

User Manual

v.1.1

G52-9201-3

1. Introduction

The Dension Gateway 500S BT lets you connect your iPod or USB storage (stick, hard drive or mass storage capable mp3 player) to your original car radio, providing music playback, menu based control and charging.

The Gateway 500S BT also offers Bluetooth connectivity for handsfree mobile call and music streaming (via A2DP) using the original buttons and screens of your vehicle.

Supported USB devices

USB Flash Memory and Hard Disk Drive
File System: FAT16 or FAT32
Storage capacity: up to 320 GB music content
Music Format: MP3, WMA and WAV

Supported iPod / iPhone devices via 30PIN dock cable (not included in the package)

iPod (4th generation)
iPod nano (1st, 2nd, 3rd, 4th, 5th and 6th generation)
iPod mini
iPod Photo 4G
iPod Video 5G
iPod Classic
iPod Touch (1st, 2nd, 3rd and 4th generation)
iPhone, iPhone 4S /4 / 3GS / 3G and iPhone

Supported iPod / iPhone devices via "Lightning to USB cable" (not included in the package)

iPod nano 7th generation
iPod Touch 5th generation
iPhone 5s / 5c / 5

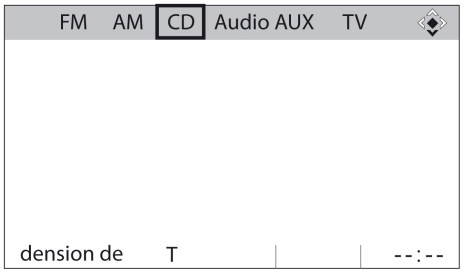
Aux: 3.5mm stereo aux input

2. Getting started

Before you start, please check that your iPod is up to date. You can get the latest iPod firmware updates via iTunes.

3. Operation

Switch your car radio ON and select CD changer as source. If in doubt consult the audio section of your car's instruction manual.



Depending on your Radio, the music menu can be browsed with Radio buttons (Next / Back), MMI or i-Drive controller (**for further details please go to Section 8).**

Connect your iPod to the Gateway. It will start playing the first song on the device. In case the Gateway has been in use earlier, music will continue from the last played point.

Switching off the car or the radio will stop playback and put the source devices to stand-by (except which is connected into AUX).

You can pair a Bluetooth capable mobile phone for music streaming (requires an A2DP capable phone) and handsfree use (if that option is active in the Gateway). Pairing is controlled from the mobile phone the same way as connecting to other Bluetooth accessories. The **pin code** to the Gateway 500S is **0000** (for further details please see **Section 6**).

Next / Back and Random / Repeat / Scan buttons (radio dependent) work as expected.

If no device is connected then **AUX GW** is displayed and the time counter is just counting up.

4. About sources

You can select the music source for playback in the Source Menu. This can be:

- **GW AUX**: in AUX mode the radio displays 'AUX GW' on the radio screen and cluster display (Car / Radio dependent). No control function is available
- **BT Audio**: from a paired A2DP streaming capable phone. The playback is controlled from the phone or with the Next and Back buttons of your car (phone dependent). In this mode the id3 tag info can be displayed too on the radio screen (phone dependent).

  Please note: BT Audio feature is **disabled by default**. It can be enabled from the **Settings menu**
- **iPod UI**: the original user interface of the iPod **remains active** (i.e. the click wheel still works) so you can use it for browsing as normal. In this mode the **id3 tag** info will not be displayed, time counter is not synchronized and **only 'iPod UI'** will appear on the screen
- **iPod GW**: the click wheel or the touch screen (iPhone, iPod touch) is **disabled**, iPod displays the currently played song information, except on touch and iPhone where **'Accessory attached'** message is displayed. The iPod playback control is **possible** from the car stereo (Head Unit) or the steering wheel **only**. In this mode the **id3 tag** info and the time is displayed on the radio display (Radio dependent)
- **USB**: the playback is controlled from the Gateway. ID3 tag info will be displayed (if that details are properly filled out)

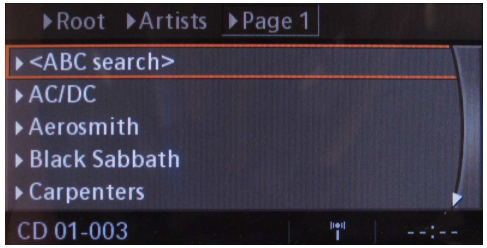
Please note: Gateway returns to playback screen after 15 - 30 seconds (radio dependent) of inactivity in any other browsing mode.

5. About Gateway Menu

Browsing and Selecting Music (iPod or USB)

You can use the other menu items to browse the content of the iPod or USB device

- **Files, Artists, Albums, Titles, Bookmarks** (for USB only): Provides browsing and selecting the music files on your USB device
- **Music** (for iPod only): Allows browsing and selecting music in the sub-menus: **Playlist**, **Artists**, **Albums**, **Songs**, **Genres**, **Composers**, **Audiobooks** and **Podcasts**



When an artist is selected the PLAY menu item, play all the songs from the given artist. Selecting the ALL menu option will lists all the songs from the given artists. The albums from the artist are listed as separate items afterwards.

When an album is selected, all the songs from the given album are listed as separate items afterwards.

The following menu items available in the main menu serve as specific functions for music playback:

- **Play All**: plays all the music from the selected source. The playback starts from the first song on the device
- **Album play**: Plays the full album of the song is being played, typically used in random play mode

Please note: In case the current list of the playlist/album contains more than 30 items (songs) the whole list cannot be displayed on the same screen due to the technical limitation of the radio so it will be split to pages (sub lists) containing 30 items.

Settings menu

Volume

The volume menu allows you to set the different volumes in the system:

- iPod, AUX volumes for music playback
- Phone and microphone volume for handsfree calls

Language

The language menu allows you to change the menu language of the Gateway

Phonebook

In the phonebook menu you can switch off the automatic download of the phone book, which is required to work with certain phone models

PB display order

You can change how your contacts are listed (First, Last or Last, First)

Paired phone

Last four paired phone name (ID) will be listed here. You can force pairing from this menu too if you click select the phone from the list

BT Audio

You can turn the BT Audio option ON if you want to play music from mobile phone via A2DP. If you enable that function, you need to turn the **whole system OFF** completely till the **blue LED** goes **OFF** on the connector port. When it happens you can turn the system back **ON** and **select** the **A2DP** option **from** the **source menu**

Ringtone

You can disable all ringtones in phone functions

About

Provides information on the gateway product (SW versions, serial number, etc.).

6. Phone functions

N.B. If the phone option is programmed and activated on the car, then the 500S BT provides the same functions as the factory phone module. Please consult the owner's manual for the correct way of controlling.

Turn ON the Bluetooth option, search for available devices, select **GW500S BT** and **enter 0000** for pairing. When a phone is connected then, you can see the connection status on the Radio screen or cluster display. To enter the phone menu press 'PHONE' or 'TEL' button or select Communication option with the iDrive controller.

If you are listening to Radio or CD then it works as usual like the factory phone option.

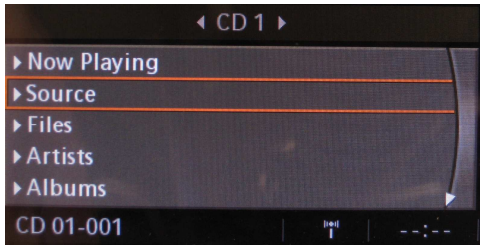
7. BT AUDIO PLAYBACK FROM A2DP SOURCE

Gateway 500S supports Advanced Audio Distribution Profile (A2DP) / Audio / Video Remote Control Profile (AVRCP) for audio playback. In this mode id3 tag will be displayed on the radio screen (phone dependent) and Next / Back / Pause / Play functions are available from the car radio or the steering wheel (phone dependent).

8. SPECIFIC OPERATION GUIDES

BMW

The menu of the Gateway 500S is displayed on the iDrive or the radio screen.



The music playback and settings are controlled from the radio or iDrive controller, but it is also possible to select the next or the previous track from the steering wheel buttons (if available).

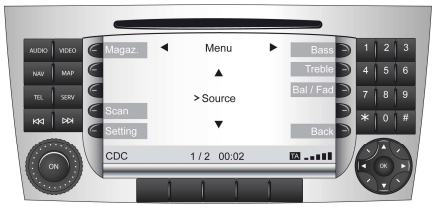
You can enter the Gateway main menu by selecting disc 6 where you can toggles between different sources or browse and select different music. For more information, please Check section #5.

Browsing is possible **on non-iDrive cars,** by the next or previous track buttons. In order to select a menu item, press and hold the Fast Forward button (about 3 seconds). Press and hold the Fast Rewind if you want to get back to the previous menu.

On iDrive based system turn the iDrive controller left or right for browsing. Press the iDrive to select a song or enter a menu, slide the controller UP and push the iDrive controller to get back to the previous menu.

Mercedes-Benz

The menu of the Gateway is displayed on the Comand radio.



The music playback and settings are controlled from the radio, but it is also possible to select the next or the previous track from the steering wheel (if available).

You can enter the Gateway main menu by pressing the **disc 6** where you can toggles between different sources or browse by artist, album etc.

Toggling between different menu options is possible with the next (►►|) or previous track (|◄◄) buttons. In order to select a menu item, press and hold (about 3 seconds) the next track (►►|) button. You can get back to the previous menu level if you do the same procedure with previous back (|◄◄) button.

Note: The Gateway menu can be reached by 'Magaz.' button as well where you can use side navigation buttons also however for browsing and selecting the same buttons needs to be used as above.

Porsche

The menu of the Gateway is displayed on the PCM radio.

The music playback and settings are controlled from the radio, but it is also possible to select the next or the previous track from the steering wheel (if available).

You can enter the Gateway main menu by selecting '**CD List**' and then '**Menu**' by the right rotary knob. When you entered to the Gateway Menu you can Toggle between the different menu options by the next (>) or previous track (<) buttons. In order to select a menu item, press and hold (about 3 seconds) the next track (>) button. You can get back to the previous menu level if you do the same procedure with previous back (<) button.

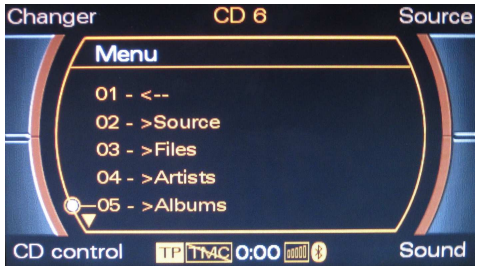
Please note: Depending on the radio type and software version, you might receive the following error message during start-up '**System error: Phone not available**.' This message does not influence radio or Gateway operations. Press '**Confirm**' to dismiss this message. After you will experience flawless operation.

AUDI

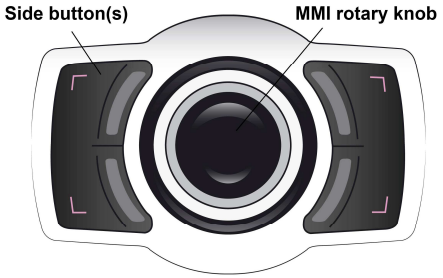
How to control

The menu of the Gateway is displayed on the MMI screen.

The music playback and settings are controlled from the radio, but it is also possible to select the next or the previous track from the steering wheel (if available).



You can enter the Gateway main menu by selecting '**Changer**' by the upper side button and then select '**Menu**' by using the rotary knob.



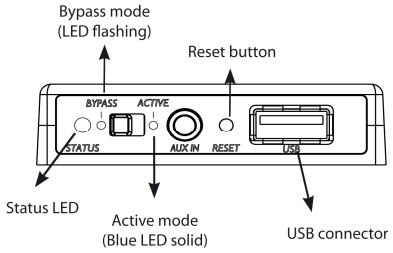
Turn left or right the MMI rotary controller for browsing. Press the same button to select a song or enter a menu. Alternatively you can use the next track (>) button to enter or select, if hold it for 3 seconds. You can get back to the previous menu level, if you select the first menu item in the list (at the top) or if you press and hold the previous track (<)button.

9. CONNECTOR PORT

The Connector Port is a convenient glovebox mounted port for USB and AUX input (3.5mm) and it has a MODE selector switch and a reset button.

Use the Mode selector button and set Bypass mode to reach the original CD-Changer functionalities if present. **Please note:** You don't need to use that mode button on Audi with MMI High (colour) system.

The Connector Port has a reset button for the rare occasion when a full hardware reset of the Gateway is necessary.



10. SERVICING A CAR

MOST optical system based vehicles have complex system management capabilities, and servicing may involve using a diagnostic computer.

To avoid conflict with such diagnostics devices, you can use the switch on the Connector Port to put the Gateway in Bypass mode, which temporarily disables the operation of the Gateway. For normal use put the switch to Active mode.

In order to switch to Bypass mode, turn the mode selector button to Bypass, then fully turn off the engine remove the ignition key and wait for the electronics to switch off completely (Blue LED on the Connector Port turns OFF). To get back to Active mode, turn everything off completely till the car goes to sleep and select Active mode on the Connector Port.

11. DISCLAIMER AND WARRANTY

Disclaimer

If your car's electrical system begins to behave erratically, please disconnect the Gateway interface physically immediately and have it checked by your installer. Dension and its authorized distributors and retailers are not liable for any incidental consequential or indirect damages or loss and do not assume liability for any diagnostic fees.

The use of handheld devices while driving may be subject to government legislation. Please ensure that your use of the Dension device complies with applicable traffic laws. Dension does not assume liability for any events resulting from the illegal or irresponsible use of handheld devices while driving.

Dension reserves the right to modify its products or specifications without prior notice.

Warranty

Dension devices carry a one-year limited warranty that protects you from defects in material and workmanship of products sold by Dension or its authorized distributors and retailers. Dension does not warrant any installation work or assume liability for any damage caused due to negligence, improper installation or operation. For warranty claims, proof of purchase is required

Further assistance

If you need further assistance in using your Dension product, please contact your local supplier or visit our website at www.dension.com and check our user videos. You can ask for the help of our trained technicians by clicking 'Support'."

Please check the download section for the latest firmware version and product documentation, as these may provide additional features or easier use of the product.